



4 Way SMA Wilkinson Power Divider From 500 MHz to 1,000 MHz Rated at 30 Watts

Power Dividers Technical Data Sheet

PE2009

Features

- 4-Way Power Divider
- High Power Wilkinson Design
- 500 to 1,000 MHz Frequency Range
- Max Power 30 Watts (CW)
- Insertion Loss < 0.4 dB
- Isolation > 20 dB

Applications

- Test and Measurement
- Military Communications
- Commercial Communications
- Wireless Communications
- SATCOM

Description

Pasternack carries a wide selection of power dividers to fit your needs. These components are essential in many systems, allowing the combination of multiple signals or splitting of a single signal into multiple signals with equal magnitude and phase. Pasternack's resistive and Wilkinson power dividers come with excellent performance featuring minimal loss, high isolation and low VSWR. They are available in both narrow and broad bandwidths with a variety of connector types such as 2.92mm, BNC, N and SMA.

The PE2009 is a 4-way high power Wilkinson power divider that operates from 500 to 1,000 MHz and can handle up to 30 Watts (CW) with 0.4 dB max insertion loss and 20 dB min isolation. The package interface uses SMA female connectors and is REACH and RoHS compliant.

Electrical Specifications

Design: Wilkinson
 Number of Output Ports: 4

| Description | Minimum | Typical | Maximum | Units |
|------------------|---------|---------|---------|-------|
| Frequency Range | 500 | | 1,000 | MHz |
| Impedance | | 50 | | Ohms |
| Input VSWR | | | 1.3:1 | |
| Output VSWR | | | 1.3:1 | |
| Insertion Loss | | | 0.4 | dB |
| Isolation | 20 | | | dB |
| Input Power (CW) | | | 30 | Watts |

Electrical Specification Notes:
 Max input power rated for load VSWR of 1.25:1 or better.

Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4 Way SMA Wilkinson Power Divider From 500 MHz to 1,000 MHz Rated at 30 Watts PE2009](#)



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Mechanical Specifications

Size

| | |
|--------|----------------------|
| Length | 3 in [76.2 mm] |
| Width | 2.5 in [63.5 mm] |
| Height | 0.38 in [9.65 mm] |
| Weight | 0.233 lbs [105.69 g] |

Configuration

| | |
|-------------------|---------------|
| Package Type | Connectorized |
| Input Connector | SMA Female |
| Output Connectors | SMA Female |

Compliance Certifications (visit www.Pasternack.com for current document)

| | |
|-----------------|------------|
| RoHS Compliant | |
| REACH Compliant | 12/17/2015 |

Plotted and Other Data

Notes:

4 Way SMA Wilkinson Power Divider From 500 MHz to 1,000 MHz Rated at 30 Watts from Pasternack Enterprises has same day shipment for domestic and International orders. Our RF, microwave and millimeter wave products maintain a 99% availability and are part of the broadest selection in the industry.

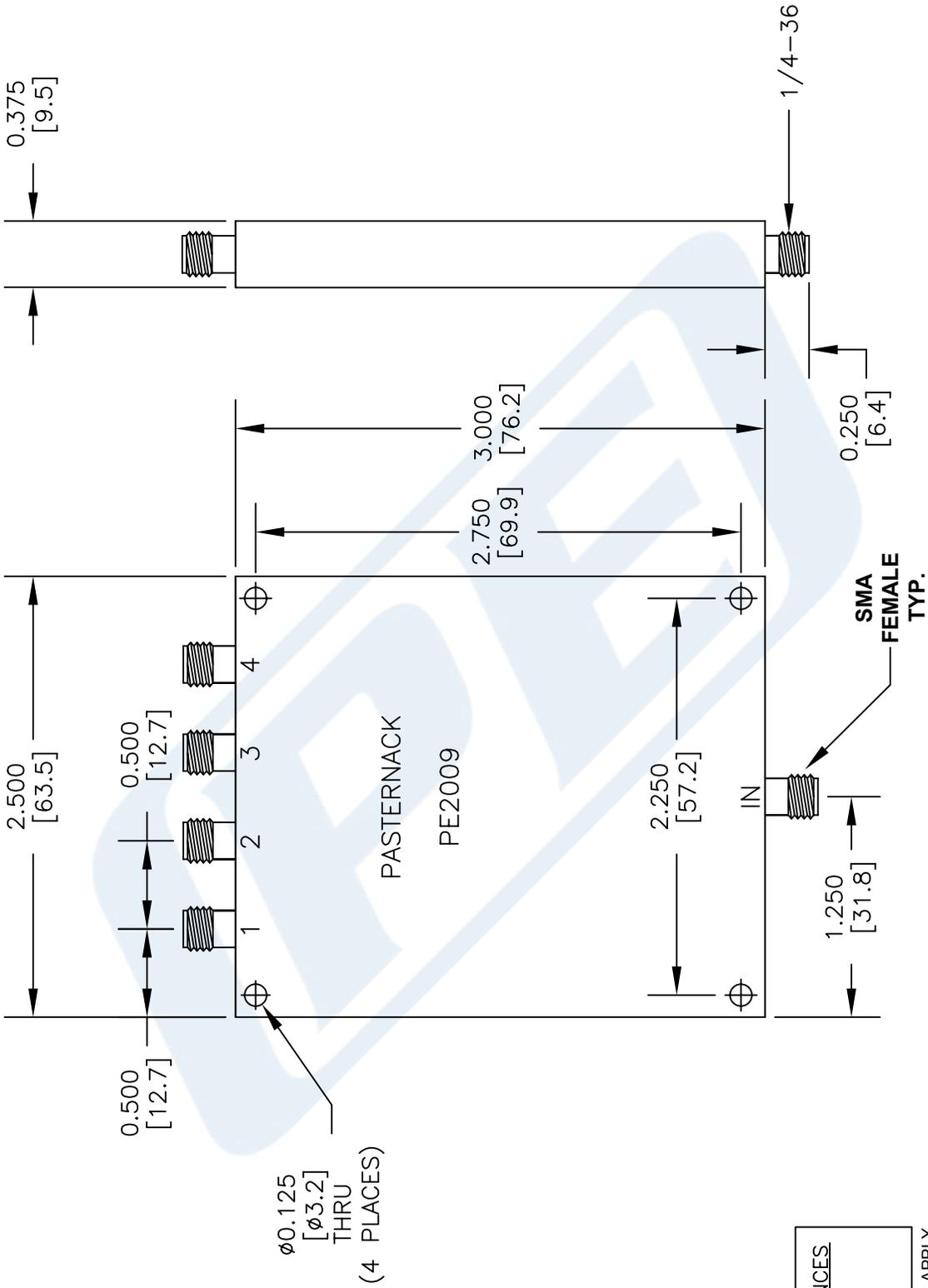
Click the following link (or enter part number in "SEARCH" on website) to obtain additional part information including price, inventory and certifications: [4 Way SMA Wilkinson Power Divider From 500 MHz to 1,000 MHz Rated at 30 Watts PE2009](#)

URL: <http://www.pasternack.com/4-way-sma-reactive-power-divider-500-mhz-1000-mhz-10-watts-pe2009-p.aspx>

The information contained in this document is accurate to the best of our knowledge and representative of the part described herein. It may be necessary to make modifications to the part and/or the documentation of the part, in order to implement improvements. Pasternack reserves the right to make such changes as required. Unless otherwise stated, all specifications are nominal. Pasternack does not make any representation or warranty regarding the suitability of the part described herein for any particular purpose, and Pasternack does not assume any liability arising out of the use of any part or documentation.

PE2009 CAD Drawing

4 Way SMA Wilkinson Power Divider From 500 MHz to 1,000 MHz Rated at 30 Watts



| STANDARD TOLERANCES |
|---------------------|
| .X ±0.2 |
| .XX ±0.1 |
| .XXX ±0.05 |

*STANDARD TOLERANCES APPLY ONLY TO DIMENSIONS IN INCHES

DWG TITLE

PE2009

NOTES:
 1. UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE NOMINAL.
 2. ALL SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE AT ANY TIME.
 3. DIMENSIONS ARE IN INCHES [mm].

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FSCM NO. 53919

CAD FILE 040116

SCALE N/A

SIZE A

3045